

New Sheet

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Figure 6

-559	ATGCGCCATGTTGACAAAAAGGCTGATTAGTATGATCTTGGAGTTGTTG <u>GTGCAAAATTG</u>	60
-499	<u>CAAGCTGACGATGGCCCTCAGGGAAATTAAGGCGCCAACCCAGATTGCAAGAGCACAA</u>	120
-439	AGAGCACGACCCAACTTTCTTAACAAGATCATCACCAGATCGGCCAGTAAGGGTAATA	180
-379	TTAATTTAACAAATAGCTCTTGTACCGGGAATCCGTATTTCTCTCACT <u>TTCCATAAACCC</u>	240
-319	<u>CTGATTAATTTGGTGGGAAAGCGACAGCCAACCCACAAAAGGTCAGATGTCATCCACGA</u>	300
-259	GAGAGAGAGAGAGAGAGAGAGAGAGAGAGTCTTCTCTATATTCTGGTTCACCGGTTGG	360
-199	AGTCAATGGCATGCGTGACGAATGTACATATTGGTGTAGGGTCCAATATTTTGGGAGG	420
-139	<u>GTTGGTGAACCGCAAGTTCTATATAT</u> CGAACCTCCACCACCATACCTCACTTCAATCC	480
-79	CCACCATTTATCCGTTTATTTCTCTCTGCTTCTCTTGGCTCGAGTCTCGCGGAAGAGAGA	540
-19	GAAGAGAGGAGAGGAGAGAGATGGGTTTCGACCGGCTCCGAGACCCAGATGACCCGACCCA	600
42	AGTCTCGGACGACGAGGCGAACCTCTTCGCCATGCAGCTGGCGAGCGCCTCCGTGCTCCC	660
102	CATGGTCTTAAAGCGCCATCGAGATCGACCTCCTCGAGATCATGGCCAAGGACGGGCC	720
162	GGGCGCGTCTCTCCACGGGGAAATCGCGGCACAGCTCCCGACCCAGAACCCCGAGGC	780
222	ACCCGTATGCTCGACCGGATCTTCGGGCTGCTGGCCAGCTACTCCGTGCTCACGTGCAC	840
282	CCTCCGCGACCTCCCGATGGCAAGGTGAGCGGCTCTACGGCTTAGCGCCGGTGTGCAA	900
342	GTTCTTGGTCAAGAACGAGGACGGGGTCTCCATCGCCGCACTCAACTTGATGAACCAGGA	960
402	CAAAATCCTCATGGAAGCTGGTATTACCTGAAAGATGCGGTCTTGAAGCGGAATCCC	1020
462	ATTCAACAAGGCGTACGGGATGACCGGTTTCGAGTATCATGGCACCGACCCGCGATTCAA	1080
522	CAAGATCTTTAACCGGGGAATGTCTGATCACTCCACCATTACTATGAAGAAGATACTGGA	1140
582	AACATACAAGGGCTTCGAGGGCTCGAGACCGTGGTTCGATGTCGGAGGCGGCACTGGGGC	1200
642	CGTGCTCAGCATGATCGTTGCCAAATACCCATCAATGAAAGGGATCAACTTCGACCGGCC	1260
702	CCAACGGATTGAAGACCGCCACCCCTTCTGGTGTCAAGCACGTCGGAGGCGACATGTT	1320
762	CGTCAGCGTTCAAAAGGGAGATGCCATTTTCATGAAGTGGATATGCCATGACTGGAGTGA	1380
822	CGACCATTCGCGGAAGTTCTCAAGAACTGCTACGATGCGCTTCCCAACAATGGAAGGT	1440
882	GATCGTTGCAGAGTGCCTACTCCCTGTGTACCCAGACACGAGCCTAGCGACCAAGAATGT	1500
942	GATCCACATCGACTGCATCATGTTGGCCCAACCCAGGCGGGAAAGAGAGGACACAGAA	1560
1002	GGAGTTCGAGGCATTGGCCAAAGGGGCGGATTTACGGCTTCCAAGTCATGTGCTGCGC	1620
1062	TTTCGGCACTCACGTCATGGAGTTCTGAAGACCGCTTGA	1680
1122	TTTCATGGTCTTGGATTGAAAGGTCGTGAAGGAGCCCTTTTCTCACAGTTGGCTTCGGC	1740
1182	ATACCAAGTCTTCTCATAAAAGGAAACAATAAGAAGCGAGTGTATGATGGCGCAAGTGG	1800
1242	AAGTTACAAGATTTGTTGTTTATGTCTATAAAGTTTGGAGTCTTCTGCATACTGATTTT	1860
1302	ACAGAAATGTGTAACGAAACGGCGTATATGGATGTGCCTGAATGATGCAAATTTGTGATATT	1920
1362	CTGTCTTCTTTTCAGTAAATCACTTCGAACAAAAA	1962

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ATGCGCCATGTTGACAAAAAGGCTGATTAGTATGATCTTGGAGTTGTTGGTGC	60
CAAGCTGACGATGGCCCCTCAGGGAAATTAAGGCGCCAACCCAGATTGCAAAGAGCACA	120
AGAGCAGGACCCCAACCTTTCCTTAACAAGATCATCACCAGATCGGCCAGTAAGGGTAATA	180
TTAATTTAACAAATAGCTCTTGTAACGGGAACCTCCGTATTTCTCTCACTCCATAAACCC	240
CTGATTAAATTTGGTGGGAAAGCGACAGCCAACCCACAAAAGGTCAGATGTATCCACGA	300
GAGAGAGAGAGAGAGAGAGAGAGAGAGAGTTTTCTCTATATCTGGTTCACCGTTGG	360
AGTCAATGGCATGCGTGACGAATGTACATATTGGTGTAGGTCGAATATTTGCGGAGG	420
GTTGGTGAACCGCAAACTTCTATATATCGAACCTCCACCACCATACCTCACTTCAATCC	480
CCACCATTTATCCGTTTTATTTCTCTGCTTTCCTTTGCTCGAGTCTCGCGGAA	534

GTGCAAAATTTGCAAGTGACGATGGCCCCTCAGGGAAATTAAGGCGCCAAACCCAGATTGC	60
AAAGAGCACAAAGAGCACGACCCAACCTTTCCCTTAACAAGATCATCACCAGATCGGCCAG	120
TAAGGGTAATATTAATTTAACAATAAGCTCTTGTACCGGGAACCTCCGTATTTCTCTCACTT	180
TCCATAAACCCCTGATTAAATTTGGTGGGAAAGCGACAGCCAACCCA	240
AAAAGGTCAGATGTCATCCACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT	300
TTTCTCTCTATATTCTGGTTCACCGGTTGGAGTCAATGGCATGCGTGACGAATGTACATATTGGTGTAGGGTCCAATAT	360
TTTGCGGAGGGTTGGTGAACCGCAAAAGTTCCTATATATCGAACCTCCACCACCATACTT	420
CACCTTCAATCCCCACCATTTATCCGTTTTATTTCCTCTGCTTTCCTTTGCTCGAGTCTCG	480
CGGAA	

485

TTCCATAAACCCCTGATTAA	TTTGGTGGG	AAAG	CGACAGCCA	ACCCA	CAAAAGGTCAGAT	60
GTCATCCCACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGATTTCTCTCTATATTCTGG						120
TTCACCGGTTGGAGTCAATGGCATGCGTGACGAATGTACATATTGGTGTAGGGTCC	AATA					180
TTTTGCC	GGAGGGTTGGTGA	CCGCAA	AGTTC	CTATATAT	CGAACCTCCACCACCATAACC	240
TCACTTCAATCCCCACCATTATCCGTTTTATTTCTCTGCTTTCTTTGCTCGAGTCTC						300
GCGGAA						306

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[illegible]

GGAGGGTTGGTGAACCGCAAAGTTCCTATATATCGAACCTCCACCACCATACCTCACTTC 60

AATCCCCACCATTATACGTTTTATTTCCTCTGCTTTCCTTTGCTCGAGTCTCGCGGAA 119

AGTTCCTATATATCGAACCTCCACCACCATACCTCACTTCAATCCCCACCATTATCCGT
TTTATTTCTCTGCTTTCCTTTGCTCGAGTCTCGCGGAA

TCAC TTCAATCCCCACCATTTATCCGTTTTATTTCTCTGCTTTCCTTTGCTCGAGTCTC 60

GCGGAA 66

Schematic diagram of the truncated versions of the *E. grandis* OMT promoter deletions

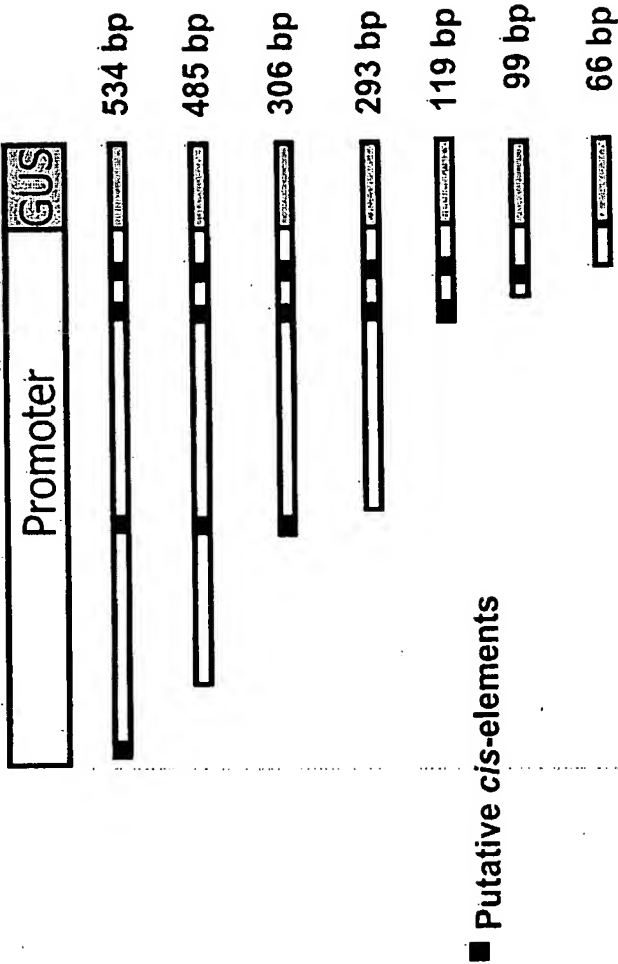


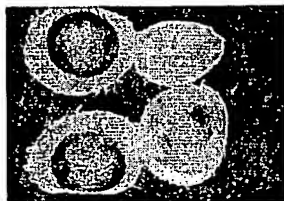
Figure 14

New Sheet
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GUS reporter gene expression driven by:
534bp OMT promoter



485bp OMT promoter fragment



306bp OMT promoter fragment



119bp OMT promoter fragment



Figure 15